

Mineral Industry Surveys

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MANGANESE IN JUNE 1999

In June, reported consumption of manganese ore containing 35% or more manganese, exclusive of that at iron and steel plants, was 38,200 metric tons, which was a decrease of about 4% compared with that of the previous month, according to the U.S. Geological Survey. This brought the revised year-to-date total to 231,000 tons. These figures increase to 42,700 tons and 258,000 tons when estimates for annual respondents are added on the basis of 1997 data. Corresponding industry stocks of ore at the end of the month were 136,000 tons, which includes an estimate for annual respondents on the basis of 1997 data. This was a marginal decrease of less than 1% compared with the corresponding figure for stocks at the end of May. (Data for the most recent 13 months are shown on page 2.)

Data for domestic consumption and stocks of manganese ferroalloys and metal for the April through June quarter of 1999 will appear in a subsequent monthly report.

Foreign trade data for June will appear in a subsequent report. For May, the data tabulated in this report indicated that the number of manganese units imported as ore was the greatest since October 1996, although this is suspect because it includes a questionable entry for Belgium that is being checked. Imports of silicomanganese were the least since July 1996. **Note:** For early availability, the trade data appearing in this report are being placed on MINES FaxBack in preliminary form. The data for May were placed on FaxBack as of July 29. The FaxBack document number for the June trade data will be 420206.

As in 1998, the Generalized System of Preferences (GSP) program was allowed to expire as of midnight June 30, thereby at

least temporarily ending duty-free treatment for imports of selected goods from qualifying developing countries and territories. Manganese materials that had been eligible for GSP treatment included manganese dioxide, permanganate, and sulfate; low- and medium-carbon ferromanganese; silicomanganese; and manganese metal, other. The Customs Service publicized how importers could obtain refunds if GSP subsequently is renewed retroactively (Customs Service, 1999).

The Defense Logistics Agency, U.S. Department of Defense, reported for June that cash disposals of manganese materials from the National Defense Stockpile consisted of 1,361 tons of chemical-grade ore and 15,307 tons of high-carbon ferromanganese. The disposal of chemical-grade ore was to American Minerals, Inc., King of Prussia, PA, and that of high-carbon ferromanganese to Elkem Metals Co., Marietta, OH.

As of June 30, France's Eramet completed the acquisition of the manganese assets of Norway's Elkem ASA, which included the Porsgrunn and Sauda plants in Norway and the Marietta, OH, plant in the United States. Addition of this smelting capacity to that of Eramet's Comilog subsidiary makes Eramet the world's leading producer of manganese ferroalloys (TEX Report, 1999).

References Cited

- Customs Service, 1999, Procedures if the Generalized System of Preferences program expires: Federal Register, v. 64, no. 124, June 29, p. 34847-34848.
TEX Report, 1999, Eramet has concluded acquisition of Elkem's manganese assets on 30th June: TEX Report, July 5, p. 5.

TABLE 1
SELECTED U.S. FOREIGN TRADE IN MANGANESE 1/

(Metric tons, manganese content) 2/

	Imports for consumption			Exports		
	Ore and dioxide	Ferroalloy and metal	Total	Ore	Ferroalloy and metal	Total
1998: 3/						
May	20,800	59,400	80,200	140	1,690	1,830
January-May	69,500	227,000	296,000	693	9,590	10,300
1999:						
January	16,300 4/	48,300 4/	64,600	3,010	1,850	4,860
February	17,900 4/	40,700 4/	58,700	13	1,160	1,170
March	22,100 4/	40,100 4/	62,200	75	1,500	1,570
April	18,300 4/	39,800 4/	58,100	4,980	1,250	6,240
May	33,100 4/	23,900 4/	57,000	135	1,370	1,500
Total	108,000	193,000	300,000	8,210	7,130	15,300

1/ Data are rounded to three significant digits; may not add to totals shown.

2/ As reported except as estimated for imports of manganese dioxide and manganese waste and scrap and for exports from gross weights.

3/ Data may include revisions by the Bureau of the Census.

4/ All or part of these data have been referred to the Bureau of the Census for verification.

Source: Bureau of the Census.

TABLE 2
U.S. IMPORTS FOR CONSUMPTION OF SILICOMANGANESE IN MAY 1999 1/

(Metric tons)

Source	Gross weight	Mn content	Customs value	Year to date		
				Gross weight	Mn content	Customs value
Australia	--	--	--	17,900	12,100	\$6,540,000
France	--	--	--	4,240	2,800	1,810,000
India	--	--	--	1,530	1,030	543,000
Kazakhstan	--	--	--	7,180	4,850	2,730,000
Mexico	--	--	--	27,300	17,900	11,600,000
South Africa	5,820	3,830	\$2,280,000	35,000	23,600	13,600,000
Venezuela	2,000	1,310	740,000	7,200	4,700	2,640,000
Total	7,820	5,140	3,020,000	100,000	66,900	39,500,000
Total, general imports	7,820	5,140	3,020,000	99,700	66,500	39,200,000

1/ Data are rounded to three significant digits; may not add to totals shown.

Source: Bureau of the Census.

TABLE 3
U.S. IMPORTS FOR CONSUMPTION OF FERROMANGANESE IN MAY 1999 1/

(Metric tons)

Source	Gross weight	Mn content	Customs value	Year to date		
				Gross weight	Mn content	Customs value
Low carbon:						
China	--	--	--	719	602	\$642,000
Italy	746	660	\$934,000	1,300	1,160	1,770,000
Japan	--	--	--	4,000	3,420	3,660,000
South Africa	20	19	38,200	584	542	1,010,000
Total, low carbon	766	678	972,000	6,600	5,720	7,080,000
Total, general imports of low carbon	766	678	972,000	6,600	5,720	7,080,000
Medium carbon, 1%-2% C:						
France	--	--	--	20	16	8,630
Japan	212	181	265,000	212	181	265,000
Korea, Republic of	2,850	2,310	1,660,000	5,700	4,640	3,330,000
Mexico	--	--	--	12,600	10,100	7,360,000
Norway	--	--	--	20	9	18,600
South Africa	650	523	314,000	11,800	9,540	7,050,000
Total, m.c., 1%-2% C	3,710	3,020	2,240,000	30,300	24,500	18,000,000
Total, general imports of m.c., 1%-2% C	3,710	3,020	2,240,000	30,300	24,500	18,000,000
High carbon:						
Australia	--	--	--	883	687	808,000
Brazil	1,290	1,010	476,000	6,580	5,000	2,430,000
China	--	--	--	2,000	1,500	721,000
France	4,540	3,550	2,200,000	49,700	38,000	26,700,000
South Africa	12,200	9,530	4,450,000	57,000	44,400	22,400,000
Total, high carbon	18,000	14,100	7,130,000	116,000	89,600	53,100,000
Total, general imports of high carbon	18,000	14,100	7,130,000	116,000	89,600	53,100,000
Grand total	22,500	17,800	10,300,000	153,000	120,000	78,200,000
Grand total, general imports	22,500	17,800	10,300,000	153,000	120,000	78,200,000

1/ Data are rounded to three significant digits; may not add to totals shown.

Source: Bureau of the Census.

TABLE 4
U.S. IMPORTS 1/ OF MANGANESE ORE (20% OR MORE MN) IN MAY 1999 2/

(Metric tons)

Source	20% - 47% Mn		47% or more Mn		Total	
	Gross weight	Mn content	Gross weight	Mn content	Gross weight	Mn content
Australia	--	--	24,300	12,700	24,300	12,700
Belgium	--	--	7,260 3/	6,680 3/	7,260	6,680
Brazil	--	--	2	1	2	1
Gabon	6,370 3/	2,800 3/	18,300	9,230	24,700	12,000
Mexico	490	216	--	--	490	216
Total	6,860	3,020	49,900	28,600	56,700	31,600
Year to date:						
Australia	--	--	25,400	13,300	25,400	13,300
Belgium	--	--	7,260	6,680	7,260	6,680
Brazil	--	--	2	1	2	1
China	--	--	40	33	40	33
Gabon	16,400	8,000	94,900	39,600	111,000	47,600
Ghana	26,100	10,200	--	--	26,100	10,200
Mexico	7,550	2,910	1,090	523	8,640	3,440
Morocco	--	--	20	11	20	11
South Africa	--	--	32,500	16,300	32,500	16,300
Total	50,000	21,100	161,000	76,500	211,000	97,600

1/ Quantities for general imports and imports for consumption are identical.

2/ Data are rounded to three significant digits; may not add to totals shown.

3/ All or part of these data have been referred to the Bureau of the Census for verification.

Source: Bureau of the Census.

TABLE 5
U.S. IMPORTS FOR CONSUMPTION OF MANGANESE DIOXIDE AND MANGANESE METAL IN MAY 1999 1/

(Metric tons, gross weight)

Source	Manganese dioxide				Manganese metal			
	Quantity	Customs value	Year to date		Unwrought		Other	
			Quantity	Customs value	Quantity	Year to date	Quantity	Year to date
Australia	1,120	\$1,590,000	8,530	\$12,000,000	--	--	--	--
Belgium	36	52,600	256	416,000	--	--	--	--
Canada	--	--	--	--	--	--	--	(2/)
China	--	--	4	7,000	160	1,040	29	369
France	--	--	23	68,500	--	--	--	14
Germany	10	49,000	32	176,000	8	146	11	46
Greece	--	--	16	21,500	--	--	--	--
India	--	--	--	--	--	--	--	16
Ireland	479	688,000	2,410	3,400,000	--	--	--	--
Japan	--	--	16	21,400	--	--	4	4
Mexico	--	--	--	--	--	--	--	20
Netherlands	--	--	--	--	--	--	--	18
South Africa	796	1,140,000	5,370	7,630,000	525	3,990	--	--
Spain	--	--	--	--	--	36	--	--
Ukraine	--	--	--	--	122	122	--	--
United Kingdom	--	--	81	206,000	95 3/	247	(2/)	(2/)
Total	2,440	3,520,000	16,700	24,000,000	910	5,570	44	489
Total, general imports	2,440	3,520,000	16,700	24,000,000	964	5,830	44	489

1/ Data are rounded to three significant digits; may not add to totals shown.

2/ Less than 1/2 unit.

3/ All or part of these data have been referred to the Bureau of the Census for verification.

Note: Imports for consumption of metallic manganese waste and scrap totaled 9 tons, all of which was from Canada, to give a year-to-date total of 47 tons.

Source: Bureau of the Census.

TABLE 6
U.S. EXPORTS OF MANGANESE ORE (20% OR MORE MN), FERROMANGANESE,
SILICOMANGANESE, AND MANGANESE METAL BY COUNTRIES OF DESTINATION IN MAY 1999 1/

(Metric tons, gross weight)

	Manganese ore		Ferromanganese, 2% or less C		Silicomanganese		Manganese metal 2/	
	May	Year to date	May	Year to date	May	Year to date	May	Year to date
Australia	--	45	--	--	11	12	--	--
Belgium	--	685	--	--	--	--	--	39
Brazil	--	--	--	--	--	--	40	124
Canada	207	447	406	1,900	248	1,560	121	596
Colombia	--	1,300	--	--	--	--	--	--
France	--	487	--	--	--	9	--	--
Germany	--	1,920	--	--	--	--	1	1
India	--	--	--	--	--	--	--	1
Israel	--	1,850	--	--	--	--	--	--
Italy	--	1,020	--	--	--	--	--	4
Japan	--	--	--	--	--	--	96	366
Korea, Republic of	63	192	--	--	--	--	--	11
Mexico	--	--	--	17	42	50	2	51
Netherlands	--	466	--	--	--	19	22	59
Peru	--	36	--	--	--	--	--	--
Spain	--	--	--	--	--	10	--	--
Sweden	--	650	--	--	--	--	--	39
Switzerland	--	68	--	--	--	--	--	--
Taiwan	--	569	--	--	--	--	1	4
United Kingdom	--	6,700	--	--	--	--	77	291
Total	270	16,400	406	1,920	301	1,670	360	1,580

1/ Data are rounded to three significant digits; may not add to totals shown.

2/ Includes manganese-aluminum, some other alloys, and waste and scrap.

Note: Exports of ferromanganese with more than 2% carbon totaled 618 tons, of which 617 tons went to Canada and 1 ton went to the Republic of Korea, to give a year-to-date total of 3,710 tons.

Source: Bureau of the Census.

TABLE 7
U.S. FOREIGN TRADE IN SELECTED MANGANESE CHEMICALS IN MAY 1999, BY CLASS 1/

Class	Gross weight (metric tons)	Value 2/ (thousands)	Principal sources and destinations: gross weight (metric tons); value (thousands) 2/	Year to date		
				Gross weight (metric tons)	Value 2/ (thousands)	Principal sources and destinations: gross weight (metric tons); value (thousands) 2/
<u>Imports for consumption:</u>						
Manganese oxides other than dioxide	56	\$119	South Africa 36; \$91	678	\$804	Mexico 280; \$62
Sulfates, basket category, including manganese sulfate	3,150	1,410	China 1,760; \$505	18,900	9,310	Mexico 9,710; \$4,720
Potassium permanganate	89	167	Czech Republic 71; \$131	519	957	Czech Republic 300; \$555
Manganites, manganates, and other permanganates	--	--	--	(3/)	3	United Kingdom (3/); \$3
<u>Exports:</u>						
Manganese dioxide	833	1,210	United Kingdom 142; \$210	2,790	3,610	Canada 1,000; \$534
Manganese oxides other than dioxide	508	338	Canada 421; \$178	1,900	1,920	Canada 1,340; \$546
Sulfates, basket category, including manganese sulfate	2,940	1,000	Canada 2,750; \$652	10,300	3,950	Canada 8,980; \$2,570
Potassium permanganate	101	186	United Kingdom 45; \$91	490	851	Canada 128; \$238
Manganites, manganates, and other permanganates	7	47	United Kingdom 7; \$47	123	639	United Kingdom 66; \$441

1/ Data are rounded to three significant digits.

2/ For imports, Customs value; for exports, f.a.s. value.

3/ Less than 1/2 unit.

Source: Bureau of the Census.